My Dear Sir, New York Aug.st 14.th 1843.—

I regret that neither you nor your son were able to be present at my experiments on the 160 miles of wire, on Tuesday last, as I think you would have derived great pleasure in common with the other Scientific gentlemen present in witnessing the beautiful ~~unity~~ verification of the law of electric propulsion, which is so favorable to my Telegraphic plan. 48 pairs of my galvanic battery moved my levers sensibly, but 100 pairs moved them with great rapidity and certainty through the whole distance of 160 miles, which is of course equal to 80 miles of actual distance.—

I send you also the result of our experiments on the decomposing power of 100 pairs at various distances. I am indebted to my friend Prof. Draper for the accompanying projection of our results.—

I write in much haste but am with sincere respect and esteem

Y.ob.Ser.t
Sam.l F. B. Morse.

To Professor Benj.n Silliman, Esq

L. F. B. Morse

14 Aug 1843.

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